

Claims

1. A feeder device in a timber harvester, which includes a frame (21), a 3-row roller chain (17) arranged to be rotated
5 around a drive sprocket (24, a turnover member (25) and rolling guides (22.1, 22.2), which rolling guides extend for a great length on the adhesion side, between the drive sprocket (24) and the turnover member (25), and in which roller chain (17) there are rows of links staggered relative to each other by
10 transverse pins (17.4), comprising a middle row of links (17.2) and outer rows of links (17.1), each row of links including rollers (33.1, 34.1) rolling in the corresponding rolling guides (22.1, 22.2) and set in bearings in the transverse pins, and in which the drive sprocket (24) is arranged to drive by
15 its teeth (24.1) the middle row of links (17.2) of the roller chain (17) through its rollers (34.1), characterized in that the outer rows of links (17.1) of the roller chain (17) are equipped with rollers (33.1) of a greater diameter than the rollers (34.1) of the middle row of links (17.2), in which case
20 the middle rolling base (22.2) is correspondingly raised relative to the outer rolling bases (22.1).

2. A feeder device (14) in a timber harvester, according to Claim 1, characterized in that the outer rollers (33.1) have a
25 diameter that is 10 - 25 % greater than that of the middle rollers (34.1).

3. A feeder device (14) in a timber harvester, according to Claim 1 or 2, characterized in that the diameter of the outer
30 rollers (33.1) is 85 - 95 % of their spacing.

4. A feeder device (14) in a timber harvester, according to any of Claims 1 - 3, characterized in that at least the outer rollers (33.1) are equipped with bushings (33.3).

5. A feeder device (14) in a timber harvester, according to any of Claims 1 - 4, characterized in that, seen from the side, the outer rolling guides (22.1) extend essentially to the area of the drive sprocket.

6. A feeder device (14) in a timber harvester, according to any of Claims 1 - 5, characterized in that the rolling guides (22.1, 22.2) form a unified wear piece (22), which can be detached from the frame (14.1) of the feeder device.

7. A feeder device (14) in a timber harvester, according to Claim 6, characterized in that at least the wearing surface of the wear piece (22) formed by the rolling guides (22.1, 22.2) is carbon tempered.

8. A feeder device (14) in a timber harvester, according to Claim 6 or 7, characterized in that the overall width of the rolling guides (22.1, 22.2) is less than the distance between the side plates (17.3) of the crawler track (17).

9. A feeder device (14) in a timber harvester, according to any of Claims 1 - 8, characterized in that the rolling guides are curved, with a curvature corresponding to a radius of 0,8 - 1,3 m.